

WEIGHT BASED BACKGROUND DISCRIMINANT

FUNCTIONS IN AUTHENTICATION SYSTEMS

Abstract of the Disclosure

Methods and apparatus for providing speech-based authentication, including the
5 determination of a target discriminant based on an identity claim and on at least one target
voiceprint model relating to a target speaker, of a background discriminant based on the
identity claim and on at least one background voiceprint model relating to at least one
background speaker, and of a score based on the target discriminant and the background
discriminant, which score is used to accept or reject the identity claim.

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